

Access entitlement booking method

The data carrier used is in particular an electronic data carrier. Both contact-type and contactless-type electronic data carriers such as RFID transponders have a microchip. Each microchip has a unique identifier (chip serial number or other number or code) with which it is coded. This identifier stored in the chip forms the starting point of the invention.

The reading of the identification data or chip serial number with which the data carrier is coded and the loading of the data carrier chip with the access entitlement data are effected by the data communication device provided at the access terminal, i.e. a read/write device. At first access to the access terminal during the period of validity, the data carrier chip is thus not coded with these access entitlement data, which is detected by the data communication device at the access terminal.

The data for identification of the data carrier are preferably the serial numbers of the microchips, but one can also use other data, in particular data specific to the chip manufacture.

The data carrier can be e.g. a contact-type smart card. However, one preferably uses as a data carrier a contactless-type data carrier with a preferably passive RFID transponder. Such a data carrier has an antenna. Chip and antenna can be integrated into a card that can be carried in or on a garment, but it can also be integrated into a garment, for example gloves, or into a watch. The data carrier can also be worn in the form of a watch on the wrist. Moreover, the non-contacting data carrier, i.e. chip and antenna, can be part of the mobile phone or its casing or protective cover or another part connected with the mobile phone. The mobile phone can thus at the same time form the data carrier, so that no further object for receiving the data carrier is required. According to the invention the cards, gloves, watches, mobile phone or its casing, protective cover, etc., are then provided visibly with the identification data, e.g. chip serial number or the like, for example by a print e.g. at the edge of the card or e.g. engraving on the back of the watch.

The telecommunication devices used can be mobile or stationary communication terminals, e.g. telephones or a PC with an Internet connection. One thus preferably uses communication devices together with modern infrastructures, such as Internet, mobile phones, personal digital assistants and the like.

Instead of booking with a mobile phone for example with SMS (short message service) one can also book through a mobile phone with WAP (wireless application protocol).

One preferably uses a web server which passes on the data conveyed with the mobile phone (GSM), via Internet or similar telecommunication device to the winter sports or other facility or directly to the access terminal.

From the server one can obtain further information, for example on the different skiing areas, prices, weather, turn-outs and the like, with the telecommunication device before booking. The information can be indicated on the display of a mobile phone.

In case of a facility, e.g. a winter sports area, with a plurality of access terminals the identification and entitlement data can be passed by the server to a data center of the relevant facility, which passes them on to the data communication device of the access terminal.

In order to reduce the communication effort, the data can also be passed on by the server optionally via the data center of the facility only to the data communication device(s) provided at the access terminal(s), e.g. feeder lift(s) of a skiing region, i.e. for the first access.

If a server is used, the inventive booking method is also transparent for the operators of the facility, e.g. the ski lift operators, since the booking information can be fetched from the server. Moreover, a central server that is permanently serviced offers great security.

When booking via Internet, the person desiring to book an access entitlement can also first call up the home page of the particular winter sports area. He can then convey the data carrier identification data and selected access entitlement data to the Internet provider in charge, which passes them on to the server, the data center of the particular skiing area or directly to the access terminals.

Payment of the booked access entitlement can be effected for example via the telephone bill in case of a booking by

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With the inventive method, the winter sports or other facilities are moreover informed in advance about the number of people expected on the particular day, so that they can better prepare for the expected clients in terms of personnel, food, etc. If the data carrier is lost, a reimbursement for the lost access entitlement booked is also possible anytime according to the invention.

Thus, mobile phone 1 is used to obtain an offer for skiing areas, prices, etc., from web server 2 according to arrow 3.

From server 2 said data are passed on to data center 7 of the relevant winter sports area according to arrow 10 and from there to access terminals 8 of the feeder lift (not shown).

Chip serial number 6 and the booked access entitlement data are stored in computer 11 of the data center of the winter sports area, which is connected to access terminals 8. When the customer enters access terminal 8, computer 11 of access terminals 8 compares the chip serial number with which the chip in card 5 of the person entering access terminal 8 is coded with the chip serial numbers stored in computer 11 via data communication device 9 formed as a read/write device.

In case of a match and thus identification of data carrier 5 the booked, stored access entitlement data, such as skiing area or lift, day ski pass, adult, are loaded into the data carrier chip. According to arrow 12 the booking information can be fetched anytime from server 2 by data center 7 of the winter sports area.

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